

MILAN managed switch

MIL-SW8T1GPA

(7) 10/100/1000BASE-T + (1) SFP/RJ-45 Port



The MIL-SW8T1GPA is a Web Smart Layer 2 switch with eight 10/100/1000BASE- ports, one of which is a Gigabit combination port that is shared with a Gigabit SFP slot.

The switch uses store-and-forwarded switching architecture to ensure maximum data integrity with low latency.

Features

- ▶ Jumbo Frame to 9K bytes
- ▶ Authentication – RADIUS, IEEE802.1X
- ▶ VLAN support up to 256 VLANs, port based or tagged (802.1Q)
- ▶ Quality of Service (Qos)
- ▶ DHCP Client
- ▶ Port Trunking – Supports IEEE 802.3ad (LACP)
- ▶ Flow control full-duplex
- ▶ Back pressure half-duplex
- ▶ Firmware upgrade via Web GUI
- ▶ System Configure Backup/Restore
- ▶ 8K MAC address

Specifications

Standards	IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX; IEEE 802.3ab 1000Base-T; IEEE 802.3z Gigabit Fiber; IEEE 802.3x Flow Control and Back pressure; IEEE 802.1w Rapid Spanning Tree; IEEE 802.3ad Port trunk with LACP; IEEE 802.1p Class of Service; IEEE 802.1x User Authentication; IEEE 802.1Q VLAN Tagging
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Transfer Rate	14,880 pps for 10 Mbps 148,800 pps for 100 Mbps 1,488,000 pps for 1000 Mbps
Connectors	Gigabit copper: 8 x RJ-45 with Auto-MDIX 1 SFP port – shared with RJ-45 port 1
MAC Address	8K MAC address table
Memory Buffer	144 Kbytes embedded
Jumbo packet	Support 9 Kbytes Jumbo Frame
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) 100BASE-TX: 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100 m); 1000BASE-T: 4-pair UTP/STP Cat. 5e cable; EIA/TIA-568 100-ohm (100 m)
Backplane	16Gbps
LEDs	RJ-45 port Fiber: Link/Activity
Power Supply	Internal power (AC): 100 – 240VAC 50/60 Hz
Power Consumption (DC)	10.8 Watts max.
Operation Temperature	0° to 45°C (32° to 113°F)
Operation Humidity	10% to 90% (non-condensing)
Dimensions	Width: 8.54" [217 mm] Depth: 5.51" [140 mm] Height: 1.69" [43 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL
Technical Support & Warranty	Free technical support and advanced warranty support for 5 years. Includes free telephone support, 24-hour support via web and FTP.

Ordering Information

MIL-SW8T1GPA

7-port 10/100/1000BASE-T
+ (1) Combo port SFP/RJ-45

Optional Accessories (sold separately)

SFP Modules

Mounting Bracket

MIL-RMSM8

19" Rack Mount Bracket

MIL-BRSM8

10" Wall Mount Bracket

Software Features

- ▶ **VLAN:**
Port Based VLAN; IEEE 802.1Q Tag
VLAN groups up to 256
- ▶ **Port Trunk:**
Supports IEEE802.3ad port trunk with link aggregation control protocol (LACP). 4 trunk groups/2 trunk member maximum
- ▶ **Spanning Tree:**
Support IEEE802.1w rapid spanning tree and IEEE802.1d spanning tree
- ▶ **Quality of Service/Class of Service :**
Support port based, Tag based and IPv4 Type of Service; Supports IEEE802.1p Class of Service; Per port provides 4 priority queues;
- ▶ **Firmware Update:**
Support Web GUI firmware upgrade